

## Appendix A

### Acronyms

AAA	Avionics Air Assembly
ABC	Audio Bus Coupler
AC	Assembly Complete
ACS	Atmosphere Control and Supply Assembly/Contingency System
ACU	Audio Communication Unit Arm Control Unit
AFR	Anchor Foot Restraint
ALSP	Advanced Life Support Pack
AMP	Ambulatory Medical Pack
APAS	Androgynous Peripheral Attach System
APCU	Assembly Power Converter Unit
APFR	Articulating Portable Foot Restraint
APS	Automated Payload Switch
AR	Atmosphere Revitalization
ARCU	American-to-Russian Converter Unit
ASC	Aisle Stowage Container
ASI	Italian Space Agency
ATU	Audio Terminal Unit
AUAI	Assembly-Contingency/UHF Audio Interface
AVU	Artificial Vision Unit
BC	Bus Controller
BCA	Battery Charger Assembly
BCDU	Battery Charge/Discharge Unit
BEE	Base End Effector Basic End Effector
BGA	Beta Gimbal Assembly
BIT/BITE	Built-in Test/Equipment
BP	Blood Pressure
BSA	Battery Stowage Assembly
BSP	Baseband Signal Processor
C&C	Command and Control
C&C MDM	Command and Control Multiplexer/Demultiplexer
C&DH	Command and Data Handling
C&T	Communication and Tracking
C&TS	Communication and Tracking System
C&W	Caution and Warning
C/L	Crew Lock
CADU	Channel Access Data Unit

CAM	Centrifuge Accommodation Module
CAS	Common Attach System
CBM	Common Berthing Mechanism
CC	Central Computer
CCAA	Common Cabin Air Assembly
CCD	Cursor Control Device
CCPK	Crew Contaminant Protection Kit
CCTV	Closed Circuit Television
CDRA	Carbon Dioxide Removal Assembly
CDS	Continuous Data Stream
CETA	Crew and Equipment Translation Aid
CHeCS	Crew Health Care System
CM	Crewmember
CMG	Control Moment Gyroscope
CMILP	Consolidated Maintenance Inventory Logistics Planning
CMO	Crew Medical Officer
CMRS	Crew Medical Restraint System
CMS	Countermeasure System
CO <sub>2</sub>	Carbon Dioxide
COF	Columbus Orbital Facility
COR	Communications Outage Recorder
COTS	commercial-off-the-shelf
COU	Concept of Operations and Utilization
COUP	Consolidated Operations and Utilization Plan
CPC	Control Post Computer
CPS	Consolidated Planning System
CRPCM	Canadian Remote power Control Module
CRV	Crew Rescue Vehicle
CSA	Canadian Space Agency
CSA-CP	Compound-Specific Analyzer - Combustion Products
CSA-H	Compound-Specific Analyzer - Hydrazine
CTRS	Conventional Terrestrial Reference System
CVIU	Common Video Interface Unit
CVT	Current Value Table
CWC	Contingency Water Collection
CWS	Caution and Warning Software
D&C	Display and Control
DAIU	Docked Audio Interface Unit
DC	Docking Compartment
DCM	Display and Control Module
DCSU	Direct Current Switching Unit
DDCU	Direct Current-to-Direct Current Converter Unit
DMI	Designated Item
DSM	Docking and Stowage Module

E/L	Equipment Lock
EACP	EVA Audio Control Panel
EATCS	External Active Thermal Control System
ECG	Electrocardiogram
ECLSS	Environmental Control and Life Support System
ECU	Electronics Control Unit
EDDA	EMU Don/Doff Assembly
EE	End Effectors
EEL	Emergency Egress Lights
EETCS	Early External Thermal Control System
EF	Exposed Facility
EHS	Environmental Health System
EIOCU	Enhanced Input/Output Control Unit
ELM-ES	Experiment Logistic Module - Exposed Section
ELM-PS	Experiment Logistic Module - Pressurized Section
ELOC	Extended Loss of Communication
EMMI	EVA Man-Machine Interface
EMU	Extravehicular Mobility Unit
ER	Extravehicular Robotics
EPCE	Electrical Power Consumer Equipment
EPS	Electrical Power System
ESA	European Space Agency
ETCS.	External Thermal Control System
ETOV	Earth-to-Orbit Vehicle
ETVCG	External Television Camera Group
EVA	Extravehicular Activity
EV CM	Extravehicular Crewmember
EV-CPDS	Extravehicular-Charged Particle Directional Spectrometer
EVSU	External Video Switch Unit
FCS	Flight Crew Systems
FDIR	Fault Detection, Isolation, and Recovery
FDPA	Flight Dynamics Planning and Analysis
FDS	Fire Detection and Suppression
FEL	First Element Launch
FF	Free Flyer
FGB	Functional Cargo Block
FRCB	Flight Rule Control Board
FRGF	Flight Releasable Grapple Fixture
GR&C	Ground Rules and Constraints
GCTC	Gagarin Cosmonaut Training Center
GF	Grapple Fixture
GFI	Ground Fault Interrupter

GLA	General Luminaire Assembly
GLONASS	Global Navigation Satellite System
GNC	Guidance, Navigation, and Control
GPC	General Purpose Computer
GPS	Global Positioning System
GUI	Graphical User Interface
Hab	Habitation Module
HC	Hand Controller
HDR	High Data Rate
HEA	Handrail Equipment Anchor
HEPA	High Efficiency Particulate Air
HGA	High Gain Antenna
HMS	Health Maintenance System
HRFM	High Rate Frame Multiplexer
HRM	High Rate Modem
I/O	Input/Output
I	Increment
IAA	Intravehicular Antenna Assembly
IAC	Internal Audio Controller
IAS	Internal Audio Subsystem
ICM	Interim Control Module
IDRD	Increment Definitions and Requirements Document
IEA	Integrated Equipment Assembly
IF	Intermediate Frequency
IFM	In-Flight Maintenance
IGA	Inter-Government Agreement
IMARS	ISS MOD Avionics Reconfiguration System
IMMI	IVA Man-Machine Interface
IMS	Inventory Management System
IMV	Intermodule Ventilation
IOCU	Input/Output Controller Unit
IOP	Integrated Operations Plan
IP	International Partner
IPS	Integrated Planning System
IPT	Integrated Product Team
IRU	In-flight Refill Unit
ISPR	International Standard Payload Rack
ISS	International Space Station
ISSPO	International Space Station Program Office
ITCS	Internal Thermal Control System
ITS	Integrated Truss Structure
IV	Intravenous
IVA	Intravehicular Activity

IV-CPDS	Intravehicular-Charged Particle Directional Spectrometer
IVSU	Internal Video Switch Unit
JEM	Japanese Experiment Module
JEMRMS	Japanese Experiment Module Remote Manipulator System
JEU	Joint Electronics Unit
JOPA	Joint Operations Planning Agreement
KhSC	Khrunichev Space Center
KSC	Kennedy Space Center
Ku-band	Ku-Band Subsystem
L	Launch
Lab	Laboratory Module
LAN	Local Area Network
LB	Local Bus
LBNP	Lower Body Negative Pressure
LCA	Lab Cradle Assembly
LDCR	Long Duration Crew Restraint
LDFR	Long Duration Foot Restraint
LDR	Low Data Rate
LDU	Linear Drive Unit
LED	Light Emitting Diodes
LEE	Latching End Effector
LGA	Low Gain Antenna
LOS	Loss-of-Signal
LRU	Line Replaceable Unit
LSAR	Logistics Support Analysis Records
LSM	Life Support Module
LTL	Low Temperature Loop
LTU	Load Transfer Unit
LVLH	Local Vertical/Local Horizontal
MA	Main Arm
MAS	Microbial Air Sampler
MBM	Manual Berthing Mechanism
MBS	Mobil Remote Servicer Base System
MBSU	Main Bus Switching Unit
MCA	Major Constituent Analyzer
MCAS	MBS Common Attach System
MCC	Mission Control Center
MCC-H	Mission Control Center-Houston
MCC-M	Mission Control Center-Moscow
MCS	Motion Control System
MCU	MBS Computer Unit

MDM	Multiplexer/Demultiplexer
MEC	Medical Equipment Computer
MIP	Mission Integration Plan
MITP	Multilateral Increment Training Plan
MM/OD	Micrometeoroid/Orbital Debris
MMI	Man-Machine Interface
MOD	Mission Operations Directorate
MOU	Memorandums of Understanding
MPEV	Manual Pressure Equalization Valve
MPLM	Mini-Pressurized Logistics Module
MSD	Mass Storage Device
MSS	Mobile Servicing System
MT	Mobile Transporter
MTBF	Mean Time Between Failures
MTCL	MT Capture Latch
MTL	Moderate Temperature Loop
MUT	Multi-Use Tether
MWA	Maintenance Work Area
MWS	Mini-Workstation
N <sub>2</sub>	Nitrogen
NASA	National Aeronautics and Space Administration
NASDA	National Space and Development Agency (Japan)
NiH <sub>2</sub>	Nickel Hydrogen
NiCd	Nickel Cadmium
NTSC	National Telemetry/Television Standards Committee
O&PE	Operational and Personal Equipment
O <sub>2</sub>	Oxygen
OCCS	Onboard Complex Control System
ODF	Operations Data File
OGA	Oxygen Generator Assembly
OIU	Orbiter Interface Unit
OOM	On-Orbit Maintenance
OOS	On-orbit Operations Summary
ORCA	Oxygen Recharge Compressor Assembly
ORU	Orbital Replacement Unit
ORUTD	Orbital Replacement Unit Transfer Device
OSCA	Onboard Spacesuit Control Assembly
OSO	Operations Support Officer
OSTP	Onboard Short Term Plan
OTCM	ORU/Tool Change Out Mechanism
P&S	Pointing and Support
PAS	Payload Attach System

PAV	Process Air Valve
PBA	Portable Breathing Apparatus
PCA	Pressure Control Assembly
PCBA	Portable Clinical Blood Analyzer
PCMCIA	Potable Computer Memory Card International Adapter
PCS	Portable Computer System
PCU	Plasma Contactor Unit
PCWQM	Process Control and Water Quality Monitor
PDAC	Procedures Development and Control
PDGF	Power and Data Grapple Fixture
PDIM	Power and Data Interface Module
PEP	Portable Emergency Provision
PFCS	Pump and Flow Control Subassembly
PFE	Portable Fire Extinguisher
PG	Product Group
PIA	Payload Integration Agreement
PLSS	Primary Life Support System
PM	Pressurized Module
PMA	Pressurized Mating Adaptors
PMCA	Power Manager Controller Application
POA	Payload/ORU Accommodation
POC	Payload Operations Complex
POCC	Payload Operations Control Center
PODF	Payload Operations Data File
POIC	Payload Operations Integration Complex Payload Operations Integration Center
POST	Power On Self-Test
PP	Planning Period
PPA	Pump Package Assembly
PPS	Primary Power System
PSA	Power Supply Assembly
psid	pounds per square inch differential
psig	pounds per square inch gauge
PTCS	Passive Thermal Control System
PTU	Pan/Tilt Unit
PUL	Portable Utility Light
PV	Photovoltaic
PVA	Photovoltaic Array
PVCU	Photovoltaic Control Unit
PVM	Photovoltaic Module
PVR	Photovoltaic Radiator
PVTCS	Photovoltaic Thermal Control System
PWP	Potable Water Processor, Portable Work Platform
PYR	Pitch, Yaw, and Roll

QD	Quick Disconnect
QDM	Quick Don Mask
R&D	Rendezvous and Docking
R&MA	Restraints and Mobility Aid
R/P	Receiver/Processor
R-S	Reed-Solomon
RACU	Russian-to-American Converter Unit
RAIU	Russian Audio Interface Unit
RAM	Radiation Area Monitor
	Random Access Memory
RBI	Remote Bus Isolator
RED	Resistive Exercise Device
RF	Radio Frequency
RFCA	Rack Flow Control Assembly
RFG	Radio Frequency Group
RGA	Rate Gyro Assembly
RHA	Rack Handle Assembly
RHC	Rotational Hand Controller
RM	Research Module
RMS	Remote Manipulator System
ROS	Russian Orbital Segment
RPC	Remote Power Controller
RPCM	Remote Power Controller Module
RPDA	Remote Power Distribution Assembly
RPF	Robotics Planning Facility
RS	Russian Segment
RSA	Russian Space Agency
RSC-E	Rocket Space Corporation-Energia
RS MCS	Russian Segment Motion Control System
RSP	Respiratory Support Pack
	Resupply Stowage Platform
RSTS	Rack Standalone Temperature Sensor
RSU	Roller Suspension Unit
RT	Remote Terminal
RTAS	Rocketdyne Truss Attach System
RUPSM	Resource, Utilization Planning and System Models
RWS	Robotic Workstation
S-band	S-Band Subsystem
SAFER	Simplified Aid for EVA Rescue
SARJ	Solar Alpha Rotary Joint
SAW	Solar Array Wing
SCI	Signal Conditioning Interface



SCU	Sync and Control Unit
SDFR	Short Duration Foot Restraint
SDS	Sample Delivery System
SFA	Small Fine Arm
SFCA	System Flow Control Assembly
SLD	Subject Load Device
SLP	Space Lab Pallet
SM	Service Module
SMCC	SM Central Computer
SOC	State of Charge
SODF	Systems Operations Data File
SOV	Shutoff Valve
SPCE	Service Performance and Checkout Equipment
SPDA	Secondary Power Distribution Assembly
SPDM	Special Purpose Dexterous Manipulator
SPG	Single Point Ground
SPIP	Station Program Implementation Plan
SPP	Science Power Platform
SPS	Secondary Power System
SSAS	Segment-to-Segment Attach System
SSCS	Space-to-Space Communication System
SSE	Space Station Eyewash
SSK	Surface Sampler Kit
SSRMS	Space Station Remote Manipulator System
SSSR	Space-to-Space Station Radio
SSU	Sequential Shunt Unit
STEA	Seat Track Equipment Anchor
STP	Short Term Plan
SVS	Space Vision System
TC	Terminal Computer
TCCS	Trace Contaminant Control Subassembly
TCS	Thermal Control System
TDRS	Tracking and Data Relay Satellite
TDRSS	Tracking and Data Relay Satellite System
TEA	Torque Equilibrium Attitude
TEPC	Tissue Equivalent Proportional Counter
TERA	Temporary Equipment Restraint Aid
THC	Temperature and Humidity Control
	Translational Hand Controller
TOCA	Total Organic Carbon Analyzer
TOCK	Current Orbital Coordinate System
TOPO	Trajectory Operations Officer
TRC	Transmitter/Receiver/Controller
TSM	Transport Servicing Module

TTCS	Telephone and Telegraph Communication Subsystem
TUS	Trailing Umbilical System
TVIS	Treadmill With Vibration Isolation System
TWMV	Three-Way Mixing Valve
UCS	Ultrahigh Frequency Communication System
UDM	Universal Docking Module
UHF	Ultrahigh Frequency
UIS	Universal Instrumentation System
UIA	Umbilical Interface Assembly
ULCAS	Unpressurized Logistics Carrier Attach System
UMA	Umbilical Mechanism Assembly
UOP	Utilization Operations Panel
	Utility Outlet Panel
UP	Urine Processor
U.S.	United States
USOS	United States Orbital Segment
	United States Onboard Segment
	United States On-Orbit Segment
VBSP	Video Baseband Signal Processor
VDS	Video Distribution Subsystem
VIS	Vibration Isolation System
VOA	Volatile Organic Analyzer
VRA	Vent and Relief Assembly
VTR	Video Tape Recorder
VS	Video System
VSU	Video Switch Unit
WMK	Water Microbiology Kit
WRM	Water Recovery and Management
WS	Water Separator
WSA	Water Sampler Kit
WSGS	White Sands Ground Station
WVA	Water Vent Assembly
XPOP	X-Axis Pointing Out of Plane
	X-Axis Perpendicular to Orbit Plane
YPR	Yaw, Pitch, and Roll
ZOE	Zone of Exclusion